

REMARKS/ARGUMENTS

Claims 1-19 were presented for examination. The claims were variously rejected under 35 U.S.C. § 103(a) as being unpatentable over various combinations of Padi (US Patent 5,197,104) and Winker (US Patent 3,047,661).

Claims 1-19 have been amended to more clearly define the invention. Neither Padi nor Winker, whether taken alone or in combination, teaches or suggests the currently claimed subject matter.

In Padi, for example, the sensor coil 260 is aligned along, not offset from, the voice coil/cone axis. The coil is part of an oscillator (viz. VCO), and the axial movement of coil 260 changes impedance to cause a change in oscillator frequency, which is converted by a frequency-to-voltage converter and inverted to provide a negative voltage which is fed back via a summer to the input audio signal. There is no modulation and processing of an injected signal as described in applicant's claims.

In Winker, for example, the sensor is a capacitive sensor. The RF signal is input to fixed plates positioned relative to movable plates to form a capacitive bridge, with an RF voltage between plates demodulated at a demodulator. There is no coil nor core element; the RF signal is fed to the fixed element; there is no disclosed rectification or filtering.

Accordingly, request is made for reconsideration of the application, and allowance of the claims as amended.

Respectfully submitted,

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